

### **SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9 Client Name: CalTrans **Run date** 20-Nov-14 **Time** 11:51 PM

04-0120F4

04-SF-80-13.2/13.9

Self-Anchored

Suspension Bridge

## Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 115 Const Calendar Day: 603 Date: 04-May-2011 Wednesday
Inspector Name: Iranmanesh, Abbas Title: Transportation Engineer

Inspection Type: Intermittent

**Shift Hours:** 07:00 am 05:30 pm **Break:** 00:30 **Over Time:** 02:00

Federal ID: Location:

Reviewer: Boal, Brian Approved Date: 16-Mar-12 Status: Approved

Weather

**Temperature 7 AM** 50 - 60 **12 PM 4PM** 70 - 80

Precipitation None Condition

Working Day 🗸 If no, explain:

Diary:

Work description.

ABF Crews and Macalloy activities:

The initial pre-tensioning of the south K Hinge of the West line to 5000 psi gage pressure was completed at 10:40 and the full pre-tensioning up to 19000 psi gage pressure started immediately. The elongation at the initial pre-tensioning was measured to be about 5 mm after the full pre-tensioning the total elongation was varied ranging from 16mm to 24mm which was not compatible with the contract plan. Full pre-tensioning of almost one third of the anchor bolts of this hinge was completed.

The following material specifications are based on the tests of Macalloy anchor rods:

Considering 17 mm as the anchor elongation: 17mm=0.66929 in

E=191 KN/mm<sup>2</sup> (27.7x10<sup>6</sup> psi)

L= 4.27 m (168.11")

For 75mm diameter anchors: A=4185 mm^2 (6.4868 in^2)
Delta=PL/AE 0.66929= (P)(168.11)/(6.4868)(27.7x10^6)

P=715370 lb (715.37Kips) OR (3182 KN)

Sigma= P/A= 715.37/6.4868 = 110.28 KSI (760.35 Mpa)

Ratio = 760.35/1087 = 0.70

It is compatible with 70% of Fu in the contract plan, then the elongation should not pass maximum of 17 mm.

### CONCO crews activities:

The Crews started removing the forms of the East line deviation saddle. The attached pictures show the grout texture.

#### **ABF Crews:**

- Jim Benninghov
- Matthew Wistrich
- Mike Rondel
- Charles Middleton
- John Power

### Macalloy Crew:

-Jonathan Jackson

### CONCO crews:

- Gary Pene



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Job Name: 04-0120F4 Inspector Name: Iranmanesh, Abbas Diary #: 115 Date: 04-May-2011 Wednesday

- Jasmin Gorinjac

ABF & Macalloy Equipents:

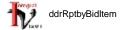
Generator whisperwatt 7000 (ABF# 002343)

Macalloy pre-tensioning equipments

04-0120F4	Bid Item: (	051 0-000-000.051	ERECT STRUCTURAL STEEL (BRIDGE)	
MERICAN BRID	OGE/FLUOR, A J	JV		
Labor				
Trade	Class	Name	RT Hrs OT Hrs DT Hrs Total Remarks	Dispute
Contractor:	AMERICAN BRIDG	GE/FLUOR, A JV		
Ironworker	FOR	JAMES BENNINGHOVE	8.00 2.00 0.00 10.00	
Ironworker	JNM	JOHN POWER	8.00 2.00 0.00 10.00	
Ironworker	JNM	CHARLES MIDDLETON	8.00 2.00 0.00 10.00	
Ironworker	JNM	Mike Randel	8.00 2.00 0.00 10.00	
Ironworker	JNM	MATTHEW WISTRICH	8.00 2.00 0.00 10.00	
04-0120F4	Bid Item: (	051 0-000-000.051	ERECT STRUCTURAL STEEL (BRIDGE)	
<b>04-0120F4</b> CONCO PUMPIN		051 0-000-000.051	ERECT STRUCTURAL STEEL (BRIDGE)	
CONCO PUMPIN 04-0120F4	NG Bid Item: (	0-000-000.051 0-000-000.051 0-000 E-W2C-WDS.060	ERECT STRUCTURAL STEEL (BRIDGE)  E Line W2 Cap West Deviation Saddle	
	NG Bid Item: (			
04-0120F4 CONCO PUMPIN Labor Trade	NG Bid Item: (	060 E-W2C-WDS.060 Name		Dispute
04-0120F4 CONCO PUMPIN Labor Trade	Bid Item: (NG	060 E-W2C-WDS.060 Name	E Line W2 Cap West Deviation Saddle	Dispute
04-0120F4 CONCO PUMPIN Labor Trade	Bid Item: (NG	<b>D60 E-W2C-WDS.060</b> Name	E Line W2 Cap West Deviation Saddle  RT Hrs OT Hrs DT Hrs Total Remarks	Dispute
04-0120F4 CONCO PUMPIN Labor Trade Contractor:	Bid Item: (NG Class CONCO PUMPING	060 E-W2C-WDS.060  Name  G  JASMIN GORINJAC	E Line W2 Cap West Deviation Saddle  RT Hrs OT Hrs DT Hrs Total Remarks  8.00 0.00 0.00 8.00  8.00 0.00 0.00 8.00	Dispute
04-0120F4 CONCO PUMPIN Labor Trade	Bid Item: (NG Class CONCO PUMPING	Name G JASMIN GORINJAC GARY PENE	E Line W2 Cap West Deviation Saddle  RT Hrs OT Hrs DT Hrs Total Remarks  8.00 0.00 0.00 8.00  8.00 0.00 0.00 8.00	Dispute

### Attachment





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